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CONFIDENTIAL

25 February 1957

25X1

MEMORANDUM FOR: THE RECORD

SUBJECT : Visit to [redacted] 25X1

1. TIME AND PLACE OF MEETING: The meeting was held 7 February 1957 in Cambridge, Massachusetts.

2. ATTENDANCE: [redacted] 25X1

3. DISCUSSION:

a. P-163B - ST-2 Transmitters

[redacted] stated that minor changes in the existing units will bring them up to an acceptable level but there are no minor changes that will give overall quality and reliability except those listed below. 25X1

It would take 6 months for a significant improvement and this would mean a larger box. The unreliability items are the tubes and the capacitors. There are tubes being run on a 500 hour test for aging. After testing we will have 180 tubes tested and ready for shipment to the field to insure a more reliable unit. The capacitors from Sprague which were to improve the system are too large for the space allowed in the existing units.

b. P-163C - VHF AM Transmitter

The transistors have been removed from the units and at this time it appears that only 50% of the transistors will pass the aging test. As a result of these checks another manufacturer's transistors might have to be used. New tubes for these units will be purchased and given 500 hours aging before being installed in the equipment.

c. P-77 - RS-1 Radio Switches

Ten systems have been ordered. Eight receivers have whip antennas and thus will be capable of being used with the car antenna. The other two receivers will have built-in ferrite antennas only. Eight transmitters will have built-in ferrite

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antennas. The other two transmitters will use whip in antennas and thus will be useable with a car antenna. The system will function in the exact same manner that the prototype did. Transmitter packaging will for the most part be identical with the prototype transmitter. The receiver packaging will be slightly different from the prototype in that the extra relay used to operate the camera in the prototype will be replaced by a small relay which will be included in the packaging of the receiver unit. There will be two terminals brought out to which the power supply for the receiver can be attached thus allowing a variable life supply depending upon the use.

d. P-79B - Transceiver Program

Two transceivers are being finished up in the next three weeks. They will operate on a frequency of 5 mc with a power output of 30 mw. There will be an all transistorized AM system utilizing a ferrite antenna.

e. P-77 - Crash Project on Telephone Lines

Two systems will be ready the first week in March. The undersigned will visit Baird for two days to be briefed on the operation of the system.

[redacted]

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TSB/APD

Distribution:
1 - P-163B
1 - P-163C
1 - P-77
1 - P-79B
1 - Chrono

AF:ls

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